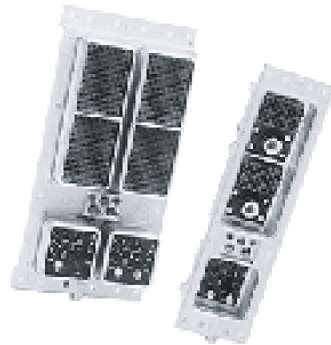
- Low insertion force contacts.
- Both environmental and non- environmental versions.
- Polarizing posts that are removable from the mating face.
- Field replaceable inserts for size 22 and power contacts.
- Up to 800 size 22 contacts in one connector.
- Crimp, coax, power, printed circuit and wire wrappable post style contacts.
- Uses standard DPX crimp, insertion/extraction tooling.
- Waveguide connections available.



BKAD/E
Rear Release/Rear Removable
Size 12, 16, 20, 22 Crimp Contacts

BKAD/E connectors represent a major milestones in presenting a new rack and panel connector for support of the air transportation market.
Several important design concerns have been addressed and solved in this new series. High mating forces of pluggable modules in a rack have been reduced by approximately two-thirds.

The low insertion force contacts are also interchangeable with the contacts used in the DPX series and permit retrofit of existing equipment.

BKAF
Front Release/Front Removable
Size 22 Solder Tail and Wrap Post Contacts

This new connector is totally intermateable and intermountable with ARINC 600 connectors now in the field.
The BKAF permits the user to easily replace a contact in case of problems, rather than disassemble the entire connector--it is available with size 22 contacts in wrap post or solder-tail versions. The system maintains the advantages of low insertion force technology incorporated in all ARINC 600 connectors.

Pos-Aline Connector Construction Feature

In the ARINC 600 connector series, Size 22 contacts are the only size that utilize this design feature. The hooded socket extends from its insulator while the pin contacts are shrouded by its front insulator.
All other contacts used in this series employ standard contact design.

The result is that the complement of contacts for the plug connectors will consist of pin contacts for size 22 and socket contacts for all others. The receptacle contacts will be just the reverse, socket contact for size 22 and pin contacts for the balance.

Material Specifications

		BKAD	BKAE	BKAF	Specifications
Shell & Waveguide	Material	Aluminum alloy	Aluminum alloy	Aluminum alloy	QQ A-591/A380
	Finish	Alodine 1200	Alodine 1200	Alodine 1200	MIL-C-5541
Insulator	Material	Thermoset	Thermoset	Thermoset	N/A
Contacts	Material	Copper alloy	Copper alloy	Copper alloy	QQ-C-533
	Finish	Gold over Nickel	Gold over Nickel	Gold over Nickel	MIL-G-45204
	Termination	Crimp	Crimp	P.C./Wrap Post	N/A
Grommets/Seals	Material	N/A	Silicone-based Elastomer	N/A	N/A
O-Ring	Material	N/A	Silicone-based Elastomer	N/A	N/A

How to Order

BKA D 2 A234 M * 3 00 01 * F0

- CONNECTOR SERIES — BKA
- CLASS — D
- SHELL SIZE — 2
- CONNECTOR LAYOUT DESCRIPTION — A234
- SIZE 1 COAX INSERT MODIFIER — M
- BOEING COAX MODIFIER — *
- SHELL STYLE — 3
- CONNECTOR MOUNTING MODIFIER — 00
- POLARIZING POSITION — 01 *
- MODIFIER (Contact, Finish, Material) — F0

* = For Polarizing Position greater then 99, add third digit.

CONNECTOR SERIES

BKA (Per ARINC 600)

CLASS

- D - Non-environmental (rear release, crimp contacts)
- E - Environmental (rear release, crimp contacts)
- F - Non-environmental (front release, solder and wrap post #22 contact, rear release all others)
- C - Same as E, except uses BKAD shells, and Less 0 rings on plug side.
- S - Environmental (0-ring is used to seal between connector shell and insulators) with rear release, crimp contacts.
- T - Non-environmental connector using filtered contacts (reference Cannon Phoenix)

SHELL SIZE

- 1 - Max. contact capacity - 125
- 2 - Max. contact capacity - 400
- 3 - Max. contact capacity - 800

CONNECTOR LAYOUT DESCRIPTION

(See page 4)

SIZE 1 COAX INSERT MODIFIER

- M - Connector contains modified 71W1 or 2W2 insert (four MTG screw hole locations and coaxial contact used in this insert are interchangeable between different manufacturers

NOTE: A dash must be inserted whenever code does not apply.

BOEING COAX MODIFIER

Boeing Coax Code	ITTC Code	ITTC Coax Contacts Supplied	
		Plug Connector	Receptacle Connector
AA	Blank	No Coax Supplied	No Coax Supplied
AB	B	349-0013-000	349-0014-000
AC	C	349-0015-000	349-0016-000
AD	D	349-0013-000 349-0017-000	349-0014-000 349-0002-000
AE	E	349-0015-000 349-0018-000	349-0016-000 349-0004-000
AF	F	349-0015-000 349-0017-000	349-0016-000 349-0002-000

SHELL STYLE

- 3 - Plug (rack side)
- 4 - Receptacle (box side)

CONNECTOR MOUNTING MODIFIER

- 00 - Standard design, .148 dia. holes
- 01 - With #6-32 ESNA (#12 NCFMA2-62) clinch nuts (see chart)

Connector Size	Number of Clinch Nuts	
	Plug	Receptacle
1	4	4
2	4	6
3	8	10

- 02 - Size 1 receptacle only - less 3 printed circuit board mounting lugs
- 03 - With #4-40 ESNA (#22 NCFMA2-40) clinch nuts (see chart)
- 08 - Size 2 and 3 plug and receptacle only - with #4-40 ESNA (#22 NCFMA2-40) clinch nuts (all mounting holes)
- 09 - Size 2 and 3 plug and receptacle only - with #6-32 ESNA (#12 NCFMA2-62) clinch nuts (all mounting holes)
- 16 - Same as - 00 mounting modification except with nickel finished shells .0008 - .0012 thick with EMI grounding spring for plug shells and supplied with non-environmental inserts.
- 17 - Same as - 00 mounting modification except with nickel finished shells .0008 - .0012 thick with EMI grounding spring for plug shells and supplied with environmental inserts not potted into shell.
- 23 - With floating eyelets (.048 min. radial float) 4 corner holes per connector.

Consult factory if other modifications are required

How to Order (Continued)

CONNECTOR LAYOUT DESCRIPTION Note: All layouts with "OPEN' insert cavity are not supplied with an insulator. If a Blank insert is required please consult factory.
Three Digit Number Contained within the Shell Layout Indicates Total Number of Contacts Available (including Waveguide)

Connector Layout	Shell Size	Shell Cavity Identification A	B	C	D	E	F	Ref. ARINC Characteristic
-005	1	OPEN	OPEN	5W2				
-060	1	OPEN	60	OPEN				
A060	1	60	OPEN	OPEN				
-065	1	OPEN	60	5W2				
A065	1	60	Open	5W2				
-120	1	60	60	OPEN				
-125	1	60	60	5W2				●
-013	2	OPEN	OPEN	13W2				
-017	2	2W2	2W2	13W2				
-071	2	OPEN	71W1	OPEN				
A071	2	71W1	OPEN	OPEN				
-085	2	Waveguide	71W1	13W2				
A085	2	71W1	Waveguide	13W2				
86M	2	2W2	71W1A	13W2				
-093	2	4W4	4W4	85				
-100	2	OPEN	OPEN	100				
-137	2	121	10T10	6T6				
-T141	2	120T2	10T10	13W2				
-142	2	71W1	71W1	OPEN				
-155	2	71W1	71W1	13W2				●●
155M	2	71W1A	71W1A	13W2				
V155M	2	71W1B	71W1A	13W2				
158M	2	2W2	71W1A	85				
-A158M	2	2W2	71W1B	85				
-163	2	OPEN	150	13W2				
A163	2	150	OPEN	13W2				
-164	2	150	Waveguide	13W2				
A164	2	Waveguide	150	13W2				708
165M	2	150	2W2	13W2				
-A165M	2	2W2	150	13W2				
-167	2	4W4	150	13W2				
173M	2	2W2	71W1B	100				

Connector Layout	Shell Size	Shell Cavity Identification A	B	C	D	E	F	Ref. ARINC Characteristic
-T173	2	150	10T10	13W2				
234	2	150	71W1	13W2				709
A234	2	71W1	150	13W2				727
-246	2	120T2	120T2	6T6				
-248	2	121	121	6T6				
250	2	OPEN	150	100				
250A	2	150	BLANK	100				
-251	2	Waveguide	150	100				
-300	2	150	150	OPEN				
-306	2	150	150	6T6				
-313	2	150	150	13W2				●●●
-370	2	150	120T2	100				
-400	2	150	150	100				
-021	3	4W4	4W4	13W2	BLANK	OPEN	OPEN	
-026	3	OPEN	OPEN	13W2	OPEN	OPEN	13W2	
-113	3	OPEN	OPEN	100	OPEN	OPEN	13W2	
-A113	3	OPEN	OPEN	13W2	OPEN	OPEN	100	
-114	3	4W4	4W4	4W4	4W4	13W2	85	
-284	3	71W1	71W1	OPEN	71W1	71W1	OPEN	
-310	3	71W1	71W1	13W2	71W1	71W1	13W2	
-330M	3	2W1	2W2	13W2	150	150	13W2	
-A330M	3	150	150	13W2	2W2	2W2	13W2	
-496	3	121	121	121	121	6T6	6T6	
-600	3	150	150	OPEN	150	150	OPEN	
-626	3	150	150	13W2	150	150	13W2	●●●●
-713	3	150	150	100	150	150	13W2	
A713	3	150	150	13W2	150	150	100	
-734	3	150	150	100	150	150	3W	
-764	3	150	150	64	150	150	100	
-800	3	150	150	100	150	150	100	
-269M	3	2W2	2W2	13W2	2W2	150	100	732
271C	3	4W4	4W4	13W2	BLANK	150	100	
271M	3	2W2	2W2	13W2	4W4	150	100	
-326	3	OPEN	150	13W2	OPEN	150	13W2	

NOTE. ANY OTHER COMBINATION OF INSERTS WITHIN A SPECIFIC SHELL IS AVAILABLE UPON REQUEST

● Layout included in the following ARINC configurations 702, 710, 711, 712, 714, 715, 716, 723.
●● Layout included in the following ARINC configurations 707, 718 & 730.
●●● Layout included in the following ARINC configurations 701, 702, 703, 704, 705, 706, 724, 725.
●●●● Layout included in the following ARINC configurations 701, 717, 726, 729.

POLARIZING POSITION

01 thru 99 (per ARINC 600)
Blank-Polarizing posts or keys not installed but supplied with connector

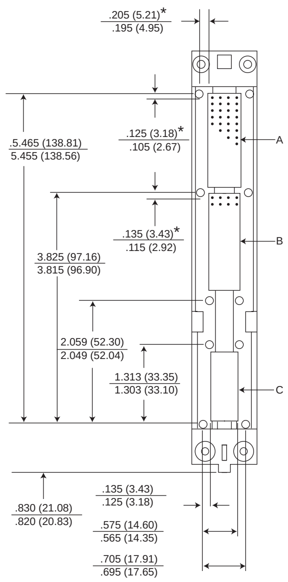
MODIFIER (Contact, Finish, Material)

- Blank - Rear release, crimp, signal and power contacts supplied with connector (when applicable)
- FO - Contacts not supplied with connector (FO not stamped on connector)
- FOO - Less contacts and waveguide (FOO not stamped on connector)
- SA - Front release .025(0.63) D. x .150 (3.81) solder post and crimp, rear release power contacts (when applicable) supplied with connector
- SB - Front release .025(0.63) D. x .250 (6.35) solder post and crimp, rear release power contacts (when applicable) supplied with connector
- SC - Front release .025(0.63) D. x .375 (9.53) solder post and crimp, rear release power contacts (when applicable) supplied with connector
- SD - Front release .025(0.63) D. x .500 (12.7) solder post and crimp, rear release power contacts (when applicable) supplied with connector
- WA - Front release .025(0.63) Sq. x .250 (6.35) (1 wrap) wrap post and crimp, rear release power contacts (when applicable) supplied with connector
- WB - Front release .025(0.63 Sq. x .375 (9.53) (2 wraps) wrap post and crimp, rear relase power contacts (when applicable) supplied with connector
- WC - Front release .025(0.63) Sq. x 500 (12.7) (3 wraps) wrap post and crimp, rear release power contacts (when applicable) supplied with connector
- WD - Front release .025 (0.64) Sq. x 641 (16.28) (3 wraps) wrap post and crimp, rear release power contacts (when applicable) supplied with connector

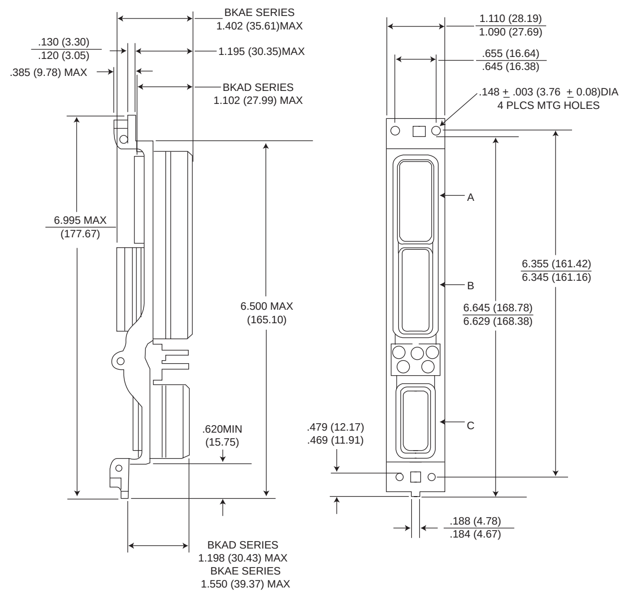
NOTE: COAXIAL CONTACTS TO BE ORDERED SEPARATELY

Shell Dimensions - Size 1

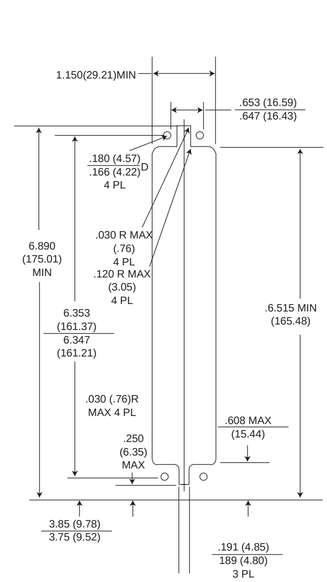
Plug



Retainer Plate



Size 1 Plug

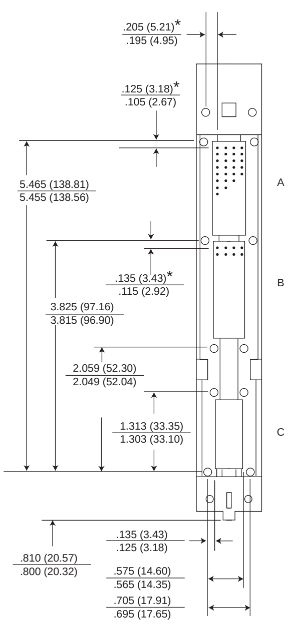


Panel Cutout

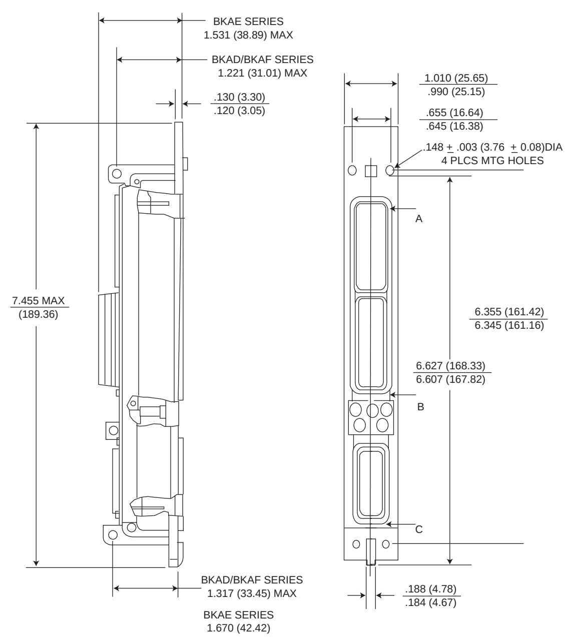
*** This dimension indicates distance from centerline of retaining screw to the centerline of first contact cavity.**

For further information, refer to ARINC 600 specification or consult factory.

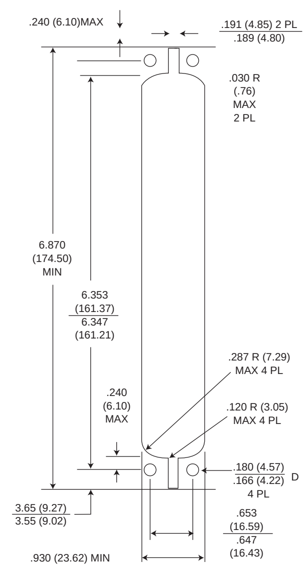
Receptacle



Retainer Plate



Size 1 Receptacle



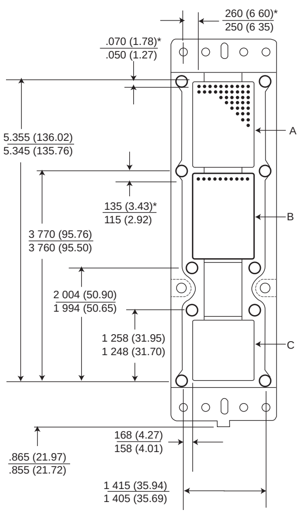
Panel Cutout

***This dimension indicates distance from centerline of retaining screw to the centerline of first contact cavity.**

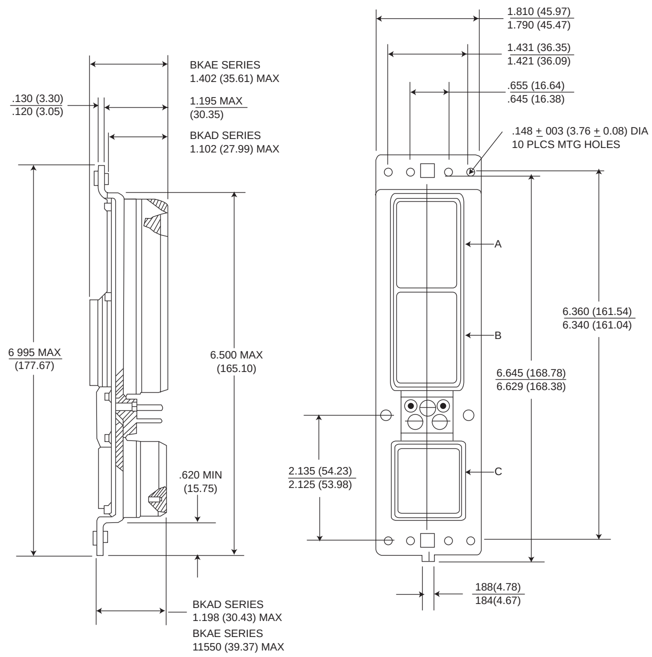
For further information, refer to ARINC 600 specification or consult factory.

Shell Dimensions - Size 2

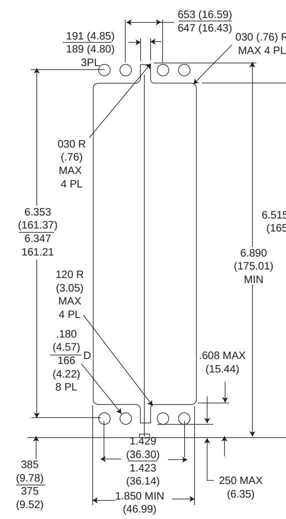
Plug



Retainer Plate



Size 2 Plug

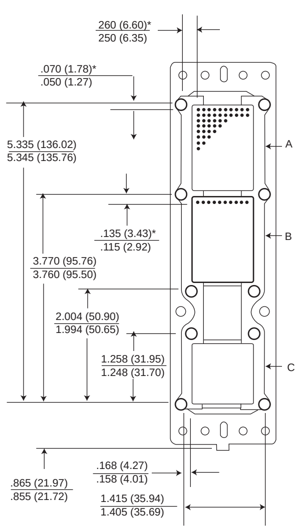


Panel Cutout

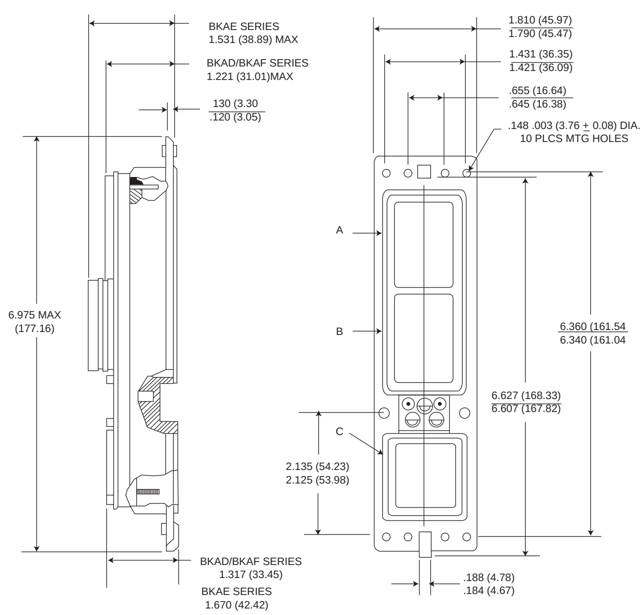
*** This dimension indicates distance from centerline of retaining screw to the centerline of first contact cavity.**

For further information, refer to ARINC 600 specification or consult factory.

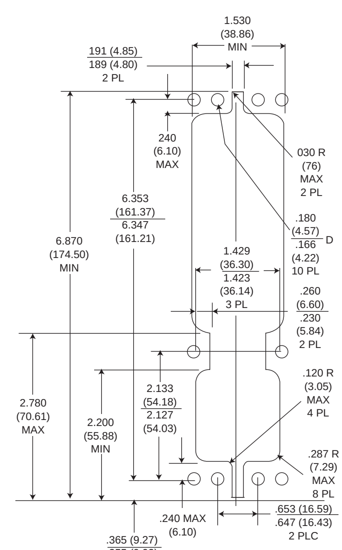
Receptacle



Retainer Plate



Size 2 Receptacle



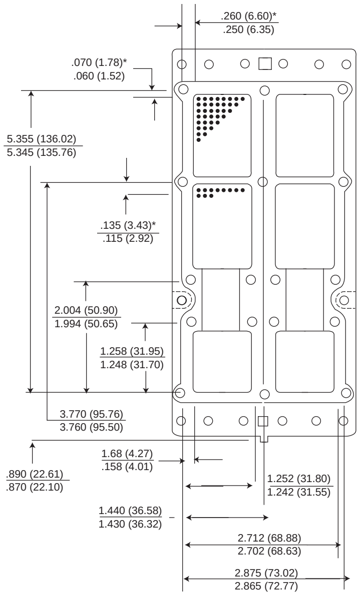
Panel Cutout

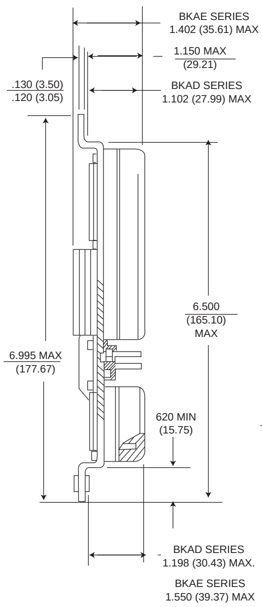
***This dimension indicates distance from centerline of retaining screw to the centerline of first contact cavity.**

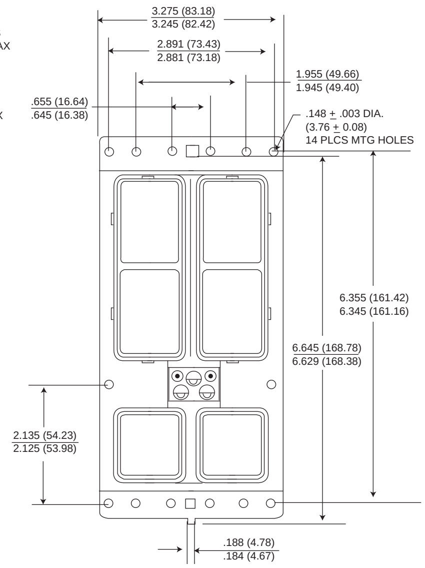
For further information, refer to ARINC 600 specification or consult factory.

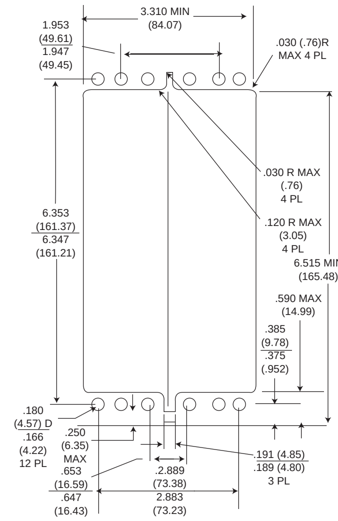
Shell Dimensions - Size 3

Plug







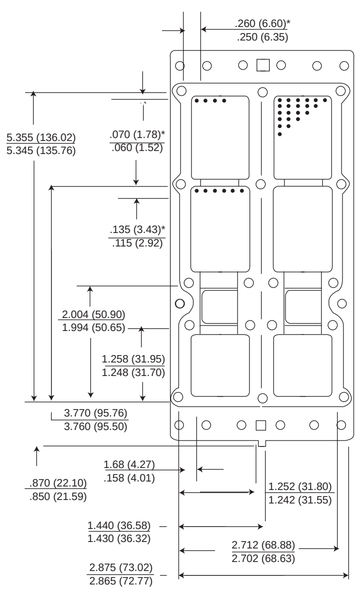


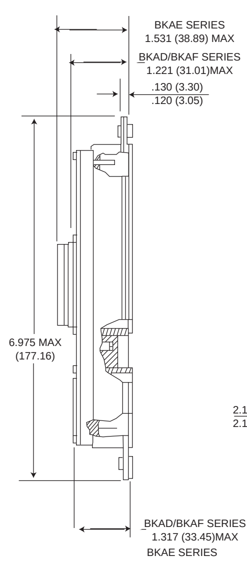
Retainer Plate **Size 3 Plug** **Panel Cutout**

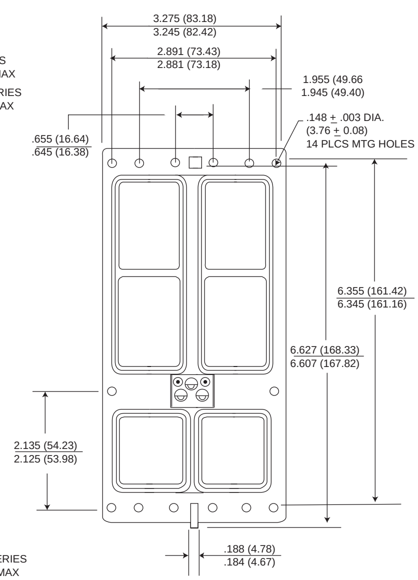
*** This dimension indicates distance form centerline of retaining screw to the centerline of first contact cavity.**

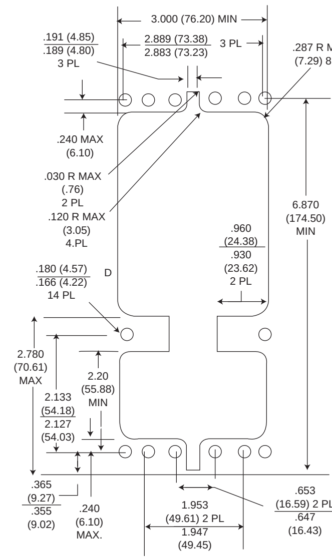
For furter information, refer to ARINC 600 specification or consult factory.

Receptacle









Retainer Plate **Size 3 Plug** **Panel Cutout**

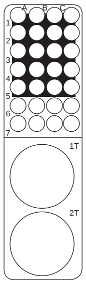
*** This dimension indicates distance form centerline of retaining screw to the centerline of first contact cavity.**

For furter information, refer to ARINC 600 specification or consult factory.

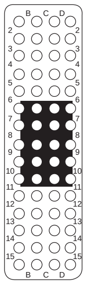
Contact Arrangements - Shell Size 1

BKAD/BKAE (Plug Rear face shown)

Shell Cavity A or B

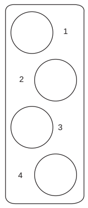


30T2
28 #22
2 #8 TWINAX/COAX
(#8 Grounded to Shell)

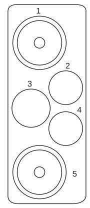


60
60 #22

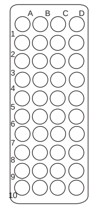
Shell Cavity C



4
4 #12



5W2
1 #12
2 #16
2 #5 COAX



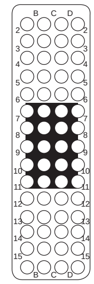
40
40 #22

REAR SURFACE WHITE ON BLUE TO INDICATE REAR RELEASE REAR REMOVAL CONTACTS

(For Contact Cavity Location and Contact Cavity Identification refer to ARINC 600 or consult factory)

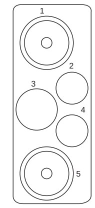
BKAF - Available Receptacle Shell Only (Front Release)

Shell Cavity A or B



60
60 #22

Shell Cavity C



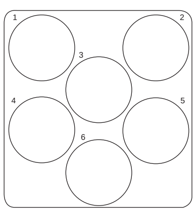
5W2
1 #12
2 #16
2 #5 COAX

ENGAGING END SURFACE WHITE ON RED TO INDICATE FRONT RELEASE FRONT REMOVAL CONTACTS

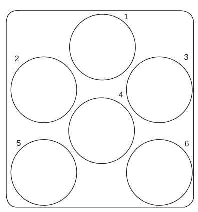
Contact Arrangements - Shell Sizes 2 and 3

BKAD/BKAE (Plug Rear face shown)

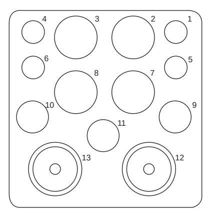
Shell Cavity C or F



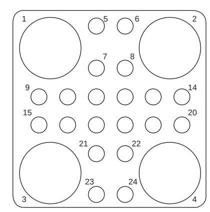
6**
6 #8



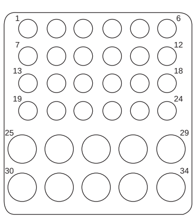
6T6**
6 #8
(Metallic Insert)



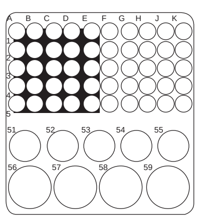
13W2
4 #20, 4 #12, 3 #16
2 #5 COAX



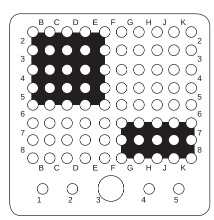
24T4**
20 #20, 4 #8



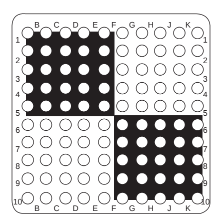
34**
24 #20, 10 #18



59**
50 #22, 5 #16, 4 #12



85
80 #22, 4 #20, 1 #16



100
100 #22

****Pending ARINC release.**

NOTE: In layouts using #22 contacts mixed with any other contact size (20HD, 16, 12), the size #22 contact type (pin or socket) determines the insulator as a pin insert or a socket insert.

REAR SURFACE WHITE ON BLUE TO INDICATE REAR RELEASE, REAR REMOVAL CONTACTS FOR INSERTS CONTAINING STANDARD SIGNAL & POWER CONTACTS

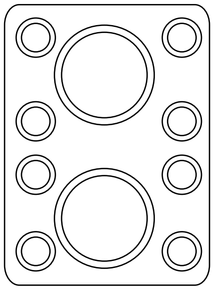
(For Contact Cavity Location and Contact Cavity Identification refer to ARINC 600 or consult factory)

Contact Arrangements - Shell Sizes 2 and 3

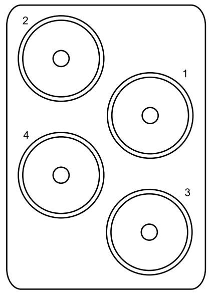
BKAD/BKAE (Plug Rear face shown)

Shell Cavity

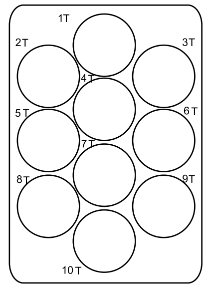
A,B,D,E



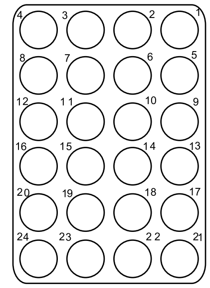
2W2
2 #1 COAX



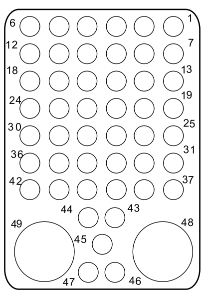
4W4
4 Modified
#1 COAX
(Metallic Insert)



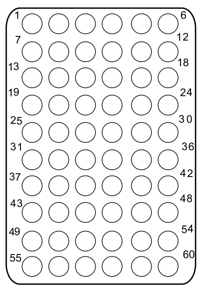
10T10**
10 #8 TRIAX/COAX
(#8 Grounded to Shell)
(Metallic Insert)



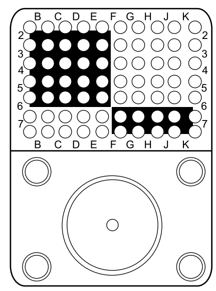
24**
24 #12



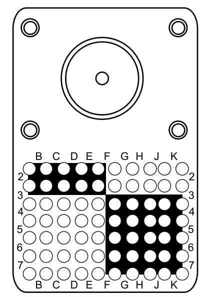
49T2**
47 #20
2 #8



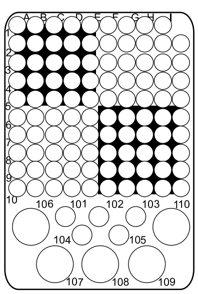
60**
60 #20



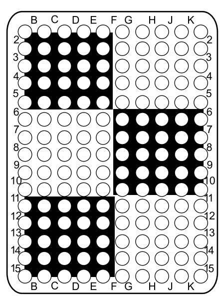
71W1
70 #22
1 #1 COAX



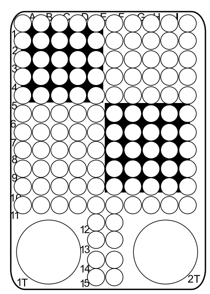
71W1B
70 #22
1 #1 COAX



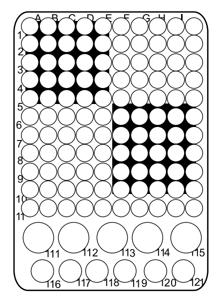
110**
100 #22
5 #12 & 5 #20



150
150 #22



120T2 **
118 #22
2 #8 TWINAX/COAX
(#8 Grounded to Shell)



121**
110 #22
5 #16
6 #20

** Pending ARINC release.

REAR SURFACE WHITE ON BLUE TO INDICATE REAR RELEASE. REAR REMOVAL CONTACTS FOR INSERTS CONTAINING STANDARD SIGNAL & POWER CONTACTS

(For Contact Cavity Location and Contact Cavity Identification refer to ARINC 600 or consult factory)

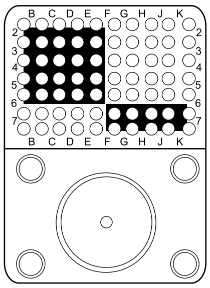
Contact Arrangements - Shell Sizes 2 and 3

BKAF - Available Receptacle Shell ONLY

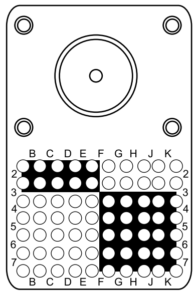
(Front Release)

SHELL CAVITY

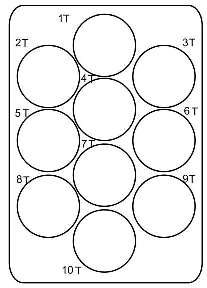
A, B, D, E,



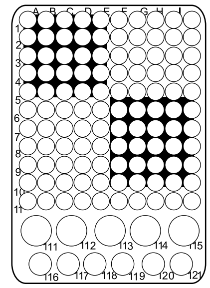
71W1
70 #22



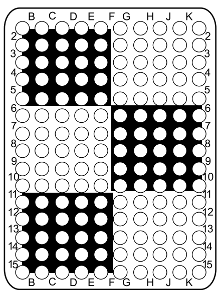
71W1B
70 #22



10T10**
10 #8



121F**
110 #22
6 #20
5 #16



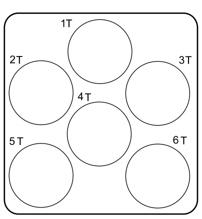
150
150 #22

ENGAGING END SURFACE WHITE ON RED TO INDICATE FRONT RELEASE FRONT REMOVAL CONTACTS FOR INSERTS CONTAINING STANDARD SIGNAL & POWER CONTACTS

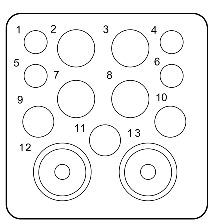
BKAF - Available Receptacle Shell ONLY

(Front Release)

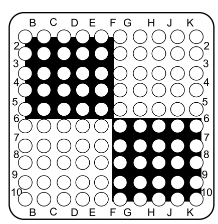
SHELL CAVITY C, F



6T6**
6 #8



13W2
4 #20
3 #16
4 #12
2 #5 COAX



100
100 #22

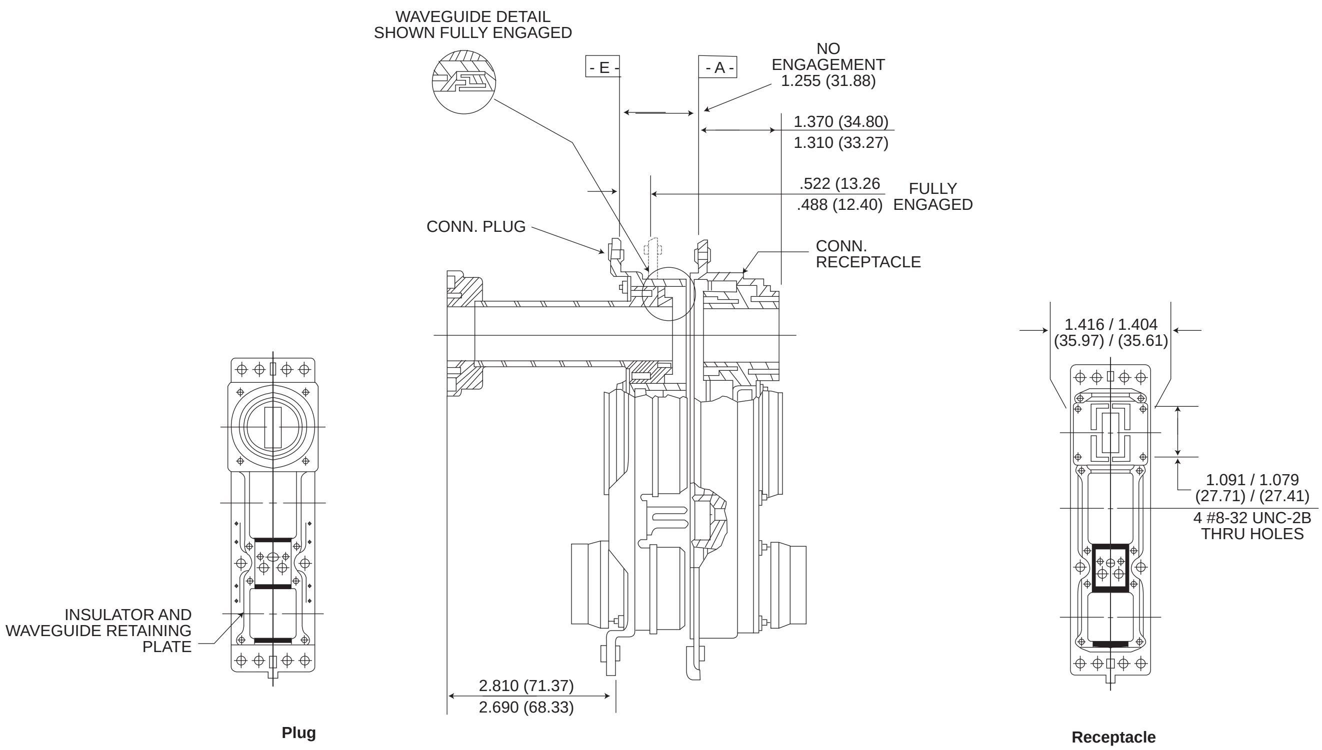
** Pending ARINC release.

NOTE #22 CONTACTS ARE SOCKETS, 20HD,16, 12 ARE PIN CONTACTS.

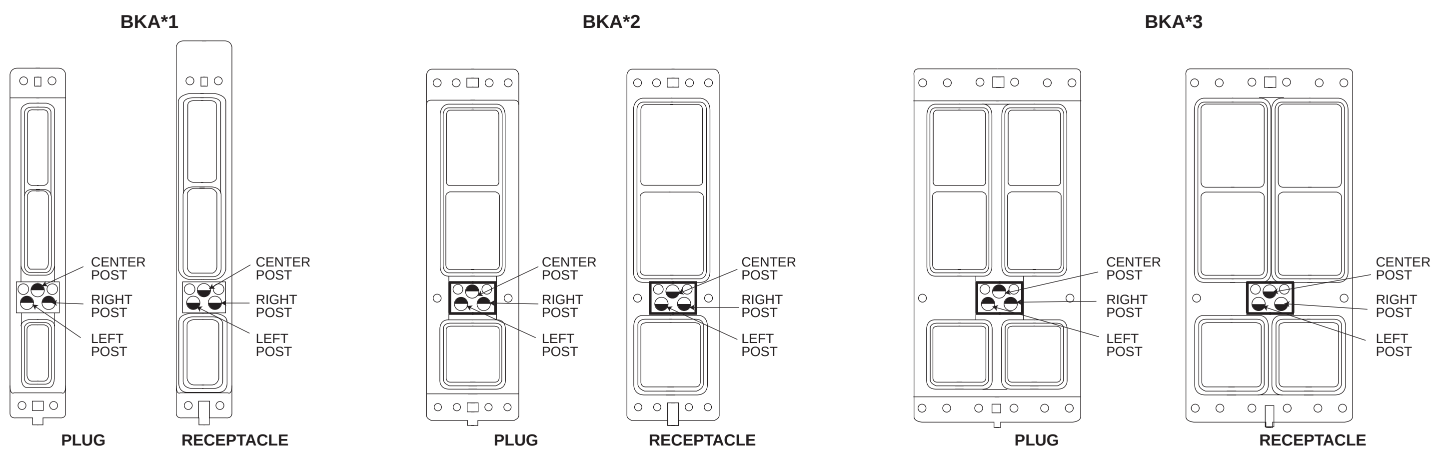
ENGAGING END SURFACE WHITE ON RED TO INDICATE FRONT RELEASE, FRONT REMOVAL CONTACTS FOR INSERTS CONTAINING STANDARD SIGNAL & POWER CONTACTS

(For Contacts Cavity Location and Contact Cavity Identification refer to ARINC 600 or Consult Factory)

Waveguide Connections



Polarization (Engaging End)



Polarizing Positions

POST 
Kit P/N 320-1067-003

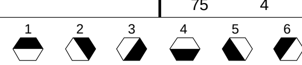
KEY 
Kit P/N 320-1067-000

Plug Shell

Position	Left Post	Center Post	Right Post	Position	Left Post	Center Post	Right Post	Position	Left Post	Center Post	Right Post
01	1	1	1	76	4	3	1	151	1	5	6
02	2	1	1	77	5	3	1	152	2	5	6
03	3	1	1	78	6	3	1	153	3	5	6
04	4	1	1	79	1	3	6	154	4	5	6
05	5	1	1	80	2	3	6	155	5	5	6
06	6	1	1	81	3	3	6	156	6	5	6
07	1	1	6	82	4	3	6	157	1	5	5
08	2	1	6	83	5	3	6	158	2	5	5
09	3	1	6	84	6	3	6	159	3	5	5
10	4	1	6	85	1	3	5	160	4	5	5
11	5	1	6	86	2	3	5	161	5	5	5
12	6	1	6	87	3	3	5	162	6	5	5
13	1	1	5	88	4	3	5	163	1	5	4
14	2	1	5	89	5	3	5	164	2	5	4
15	3	1	5	90	6	3	5	165	3	5	4
16	4	1	5	91	1	3	4	166	4	5	4
17	5	1	5	92	2	3	4	167	5	5	4
18	6	1	5	93	3	3	4	168	6	5	4
19	1	1	4	94	4	3	4	169	1	5	3
20	2	1	4	95	5	3	4	170	2	5	3
21	3	1	4	96	6	3	4	171	3	5	3
22	4	1	4	97	1	3	3	172	4	5	3
23	5	1	4	98	2	3	3	173	5	5	3
24	6	1	4	99	3	3	3	174	6	5	3
25	1	1	3	100	4	3	3	175	1	5	2
26	2	1	3	101	5	3	3	176	2	5	2
27	3	1	3	102	6	3	3	177	3	5	2
28	4	1	3	103	1	3	2	178	4	5	2
29	5	1	3	104	2	3	2	179	5	5	2
30	6	1	3	105	3	3	2	180	6	5	2
31	1	1	2	106	4	3	2	181	1	6	1
32	2	1	2	107	5	3	2	182	2	6	1
33	3	1	2	108	6	3	2	183	3	6	1
34	4	1	2	109	1	4	1	184	4	6	1
35	5	1	2	110	2	4	1	185	5	6	1
36	6	1	2	111	3	4	1	186	6	6	1
37	1	2	1	112	4	4	1	187	1	6	6
38	2	2	1	113	5	4	1	188	2	6	6
39	3	2	1	114	6	4	1	189	3	6	6
40	4	2	1	115	1	4	6	190	4	6	6
41	5	2	1	116	2	4	6	191	5	6	6
42	6	2	1	117	3	4	6	192	6	6	6
43	1	2	6	118	4	4	6	193	1	6	5
44	2	2	6	119	5	4	6	194	2	6	5
45	3	2	6	120	6	4	6	195	3	6	5
46	4	2	6	121	1	4	5	196	4	6	5
47	5	2	6	122	2	4	5	197	5	6	5
48	6	2	6	123	3	4	5	198	6	6	5
49	1	2	5	124	4	4	5	199	1	6	4
50	2	2	5	125	5	4	5	200	2	6	4
51	3	2	5	126	6	4	5	201	3	6	4
52	4	2	5	127	1	4	4	202	4	6	4
53	5	2	5	128	2	4	4	203	5	6	4
54	6	2	5	129	3	4	4	204	6	6	4
55	1	2	4	130	4	4	4	205	1	6	3
56	2	2	4	131	5	4	4	206	2	6	3
57	3	2	4	132	6	4	4	207	3	6	3
58	4	2	4	133	1	4	3	208	4	6	3
59	5	2	4	134	2	4	3	209	5	6	3
60	6	2	4	135	3	4	3	210	6	6	3
61	1	2	3	136	4	4	3	211	1	6	2
62	2	2	3	137	5	4	3	212	2	6	2
63	3	2	3	138	6	4	3	213	3	6	2
64	4	2	3	139	1	4	2	214	4	6	2
65	5	2	3	140	2	4	2	215	5	6	2
66	6	2	3	141	3	4	2	216	6	6	2
67	1	2	2	142	4	4	2				
68	2	2	2	143	5	4	2				
69	3	2	2	144	6	4	2				
70	4	2	2	145	1	5	1				
71	5	2	2	146	2	5	1				
72	6	2	2	147	3	5	1				
73	1	3	1	148	4	5	1				
74	2	3	1	149	5	5	1				
75	3	3	1	150	6	5	1				

Receptacle Shell

Position	Left Post	Center Post	Right Post	Position	Left Post	Center Post	Right Post	Position	Left Post	Center Post	Right Post
01	4	4	4	76	4	2	1	151	5	6	4
02	4	4	3	77	4	2	6	152	5	6	3
03	4	4	2	78	4	2	5	153	5	6	2
04	4	4	1	79	5	2	4	154	5	6	1
05	4	4	6	80	5	2	3	155	5	6	6
06	4	4	5	81	5	2	2	156	5	6	5
07	5	4	4	82	5	2	1	157	6	6	4
08	5	4	3	83	5	2	6	158	6	6	3
09	5	4	2	84	5	2	5	159	6	6	2
10	5	4	1	85	6	2	4	160	6	6	1
11	5	4	6	86	6	2	3	161	6	6	6
12	5	4	5	87	6	2	2	162	6	6	5
13	6	4	4	88	6	2	1	163	1	6	4
14	6	4	3	89	6	2	6	164	1	6	3
15	6	4	2	90	6	2	5	165	1	6	2
16	6	4	1	91	1	2	4	166	1	6	1
17	6	4	6	92	1	2	3	167	1	6	6
18	6	4	5	93	1	2	2	168	1	6	5
19	1	4	4	94	1	2	1	169	2	6	4
20	1	4	3	95	1	2	6	170	2	6	3
21	1	4	2	96	1	2	5	171	2	6	2
22	1	4	1	97	2	2	4	172	2	6	1
23	1	4	6	98	2	2	3	173	2	6	6
24	1	4	5	99	2	2	2	174	2	6	5
25	2	4	4	100	2	2	1	175	3	6	4
26	2	4	3	101	2	2	6	176	3	6	3
27	2	4	2	102	2	2	5	177	3	6	2
28	2	4	1	103	3	2	4	178	3	6	1
29	2	4	6	104	3	2	3	179	3	6	6
30	2	4	5	105	3	2	2	180	3	6	5
31	3	4	4	106	3	2	1	181	4	5	4
32	3	4	3	107	3	2	6	182	4	5	3
33	3	4	2	108	3	2	5	183	4	5	2
34	3	4	1	109	4	1	4	184	4	5	1
35	3	4	6	110	4	1	3	185	4	5	6
36	3	4	5	111	4	1	2	186	4	5	5
37	4	3	4	112	4	1	1	187	5	5	4
38	4	3	3	113	4	1	6	188	5	5	3
39	4	3	2	114	4	1	5	189	5	5	2
40	4	3	1	115	5	1	4	190	5	5	1
41	4	3	6	116	5	1	3	191	5	5	6
42	4	3	5	117	5	1	2	192	5	5	5
43	5	3	4	118	5	1	1	193	6	5	4
44	5	3	3	119	5	1	6	194	6	5	3
45	5	3	2	120	5	1	5	195	6	5	2
46	5	3	1	121	6	1	4	196	6	5	1
47	5	3	6	122	6	1	3	197	6	5	6
48	5	3	5	123	6	1	2	198	6	5	5
49	6	3	4	124	6	1	1	199	1	5	4
50	6	3	3	125	6	1	6	200	1	5	3
51	6	3	2	126	6	1	5	201	1	5	2
52	6	3	1	127	1	1	4	202	1	5	1
53	6	3	6	128	1	1	3	203	1	5	6
54	6	3	5	129	1	1	2	204	1	5	5
55	1	3	4	130	1	1	1	205	2	5	4
56	1	3	3	131	1	1	6	206	2	5	3
57	1	3	2	132	1	1	5	207	2	5	2
58	1	3	1	133	2	1	4	208	2	5	1
59	1	3	6	134	2	1	3	209	2	5	6
60	1	3	5	135	2	1	2	210	2	5	5
61	2	3	4	136	2	1	1	211	3	5	4
62	2	3	3	137	2	1	6	212	3	5	3
63	2	3	2	138	2	1	5	213	3	5	2
64	2	3	1	139	3	1	4	214	3	5	1
65	2	3	6	140	3	1	3	215	3	5	6
66	2	3	5	141	3	1	2	216	3	5	5
67	3	3	4	142	3	1	1				
68	3	3	3	143	3	1	6				
69	3	3	2	144	3	1	5				
70	3	3	1	145	4	6	4				
71	3	3	6	146	4	6	3				
72	3	3	5	147	4	6	2				
73	4	2	4	148	4	6	1				
74	4	2	3	149	4	6	6				
75	4	2	2	150	4	6	5				



Dark area represents post

Contact and Termination Tooling Data

BKA* (LIF) Crimp Contacts

Contact Size and Part Numbers			Crimp Tooling					Insertion/Extraction Tooling				Wire Size		
	Part Numbers		Tool P/N		Selector#	Locator P/N		MIL Spec.	ITT Cannon			AWG	Insul Dia. Max	Strip Length
Size	Pin	Socket	MIL Spec.	ITT Cannon		Mil Spec.	ITT Cannon		Insertion	Extraction	Ins./Ext.			
2222	Used in Plug 030-2259-000	Used in Recep. 031-1287-000	M22520 /2-01	995-0001-584	3 3 4	M22520 /2-23	995-0002-015	M81969 /1-01	CIT-DPXMA-22-1 Metal 070256-0000	CET-DPXMA-22 Metal 070317-0000	980-0004-804 Metal Tip	26 24 22	.054 (1.4)	.130/.110 (3.3)/(2.8)
2020HD	Used in Recep 030-2273-000	Used in Plug 031-1302-000	M22520 /2-01	995-0001-584	6 7	M22520 /2-08	995-0001-604	M81969 /1-02	-	-	980-0004-805 Metal Tip	22 20	.071 (1.8)	.167/.147 (4.2)/(3.7)
1616	Used in Recep 030-2280-000	Used in Plug 031-1303-000	M22520 /1-01	995-0001-585	4 5 6	M22520 /1-02	995-0001-736	M81969 /1-03	-	CET 16-9 Plastic	980-0004-806 Metal Tip	20 18 16	.103 (2.6)	.207/.230 (6.9)/(5.8)
1212	Used in Recep 030-2286-000	Used in Plug 031-1308-000	M22520 /1-01	995-0001-585	7 8	M22520 /1-11	995-0002-027	M81969 /14-04	-	CET 12-4 Plastic	CIET-12 Plastic	14 12	.135 (3.4)	.270/.230 (6.9)/(5.8)

BKA* Thermocouple Contacts

Contact Size and Part Numbers			Crimp Tooling					Insertion/Extraction Tooling				Wire Size		
	Part Number		Tool P/N		Selector#	Locator P/N		MIL Spec.	ITT Cannon			AWG	Insul Dia. Max	Strip Length
Size	Pin	Socket	MIL Spec.	ITT Cannon		Mil Spec.	ITT Cannon		Insertion	Extraction	Ins./Ext.			
2222 Alumel	Used in Plug 030-1975-009	Used in Recep. 031-1113-009	M22520 /2-01	995-0001 584	3 3 4	M22520 /2-23	995-0002-015	M81969 /1-01	CIT-DPXMA-22-1 Metal 070256-0000	CET-DPXMA-22 Metal 070317-0000	980-0004-804 Metal Tip	26 24 22	.054 (1.4)	.130/.110 (3.3)/(2.8)
2222 Chromel	Used in Plug 030-1975-010	Used in Recep. 031-1113-010												

BKAF-ARINC 600 Size 22 Wrap Post Socket Contacts With .025(6.35) Square Wire-Wrappable Tails-Receptacle Only.

The new low insertion force, front-insertable, front-removable #22 socket contacts with .025(6.35) square wire wrappable tails are now available for use in the BKAF non-environmental receptacle version only.
These contacts can be sold separately or they can be supplied with a connector (see How to Order). Use part numbers shown in the table on the right when ordering separately.

Contact Mod.	Part Number	Number of Wraps	Min. Post Extension	Extraction Tool
WA	031-1351-000	1	.250 (6.35)	
WB	031-1351-001	2	.375 (9.52)	CET-BKAF 22S
WC	031-1351-002	3	.500 (12.70)	
WD	031-1351-003	3	.641 (16.28)	

BKAF Printed Circuit Solder Post Socket Contacts Size 22 with .025(6.35) Dia. Printed Circuit Tails-Receptacle Only.

The new low insertion force, front-insertable, front-removable #22 socket contacts with .025(6.35) dia., PC tails are now availble for use in the BKAF non-enviornmental receptacle version only.
These contacts can be sold separately or they can be supplied with a connector (see How to Order). Use part numbers shown in the table on the right when ordering separately.

Contact Mod.	Part Number	Min. Post Extension	Extraction Tool
SA	031-1352-000	.150 (3.81)	
SB	031-1352-001	.250 (6.35)	CET-BKAF 22S
SC	031-1351-002	.375 (9.52)	
SD	031-1352-003	.500 (12.70)	

BKAD/F Solder Post, Power Pin Contacts (Captive)-Receptacle Only.

Contacts are captivated between two unbonded insulator halves.

Contact Size	Part Number	Post Dia.	Min. Post Extenstion*
2D HD	030-2358-000	.032 (0.81)	.150 (3.81)
16	030-2357-000	.050 (1.27)	.150 (3.81)
12	030-2356-000	.081 (2.06)	.150 (3.81)

*Consult facotry for other available lengths

BKAF Solder Post Pin Contact Front Release

Contact Size	Part Number	Post Dia.	Min. Post Extension	Extraction Tool
20HD	030-3287-000	.030 (0.76)	.300* (7.62)	317-1798-00
16HD	030-3287-001	.050 (1.27)	.300* (7.62)	317-1798-02
12HD	030-3287-002	.081 (2.06)	.300* (7.62)	317-1798-02

*Applies to BKAF 13W2 and 5W2 inserts only

Front Release Pin Contacts Size 20 and 16

Contact Size	Part Number	PC Tail Dia.	Min. Post Extension
20	030-3296-001	.034 (0.86)/.030 (0.76)	.260 (6.60)
20	030-3296-002	.034 (0.86)/.030 (0.76)	.385 (9.78)
16	030-3297-001	.052 (1.32)/.048 (1.22)	.260 (6.60)
16	030-3297-002	.052 (1.32)/.048 (1.22)	.385 (9.78)
16	030-3297-005	.052 (1.32)/.048 (1.22)	.300 (7.62)
20	030-3296-004	.034 (0.86)/.030 (0.76)	.300 (7.62)

Size 5 Coax Contact (Rear insertable/removable)

Crimp Center Contact-Conforming to ARINC 600

	Part Number		Crimp Tooling								
			Center Contact				Outer Shell			
			Tool		Locator		MIL STD		ITT Cannon	
Cable Accommo-dation	Pin (Receptacle Connector)	Socket (Plug Connector)	MIL Spec	ITT Cannnon	Daniels	ITT Cannon	Frame	Jaw	Complete Tool	Extraction Tool
RG-58C/U BA-5903 (BG)	349-0014-000	349-0013-000	M22520/2-01	995-0001-584	K-345	995-0002-049	M22520/5-01	M22520/5-45B	CCT-HX3-156	CET-C8
5021K1011 (Raychem)	349-0016-000	349-0015-000	M22520/2-01	995-0001-584	K-345	995-0002-049	M22520/5-01	M22520/5-45B	CCT-HX3-156	CET-C8
RG-223	349-1060-100	349-1059-000	M22250/2-01	995-0001-584	K-345	995-0002-049	M22520/5-01	M22520/5-45B	CCT-HX3-156	CET-C8
RG-400	-	349-1003-000	M22250/2-01	995-0001-584	K-345	995-0002-049	M22520/10-01	M22520/10-23	-	CET-C8
RG-316	-	349-1004-000	M22250/2-01	995-0001-584	K-345	995-0002-049	M22520/10-01	M22520/10-23	-	CET-C8

Size 12 Shielded Contact (Rear insertable/removable)

	Part Number		Crimp Tooling							Tool	
			Center Contact				Outer Shell Tool				
			Tool P/N		Locator P/N		MIL Std				
Cable Accommo-dation	Pin (Receptacle Connector)	Socket (Plug Connector)	MIL Spec	ITT Cannon	Daniels	ITT Cannon	Frame	Jaw	ITT Cannon	MIL Spec	ITT Cannon
RG-196A/U	249-1767-000	-	M22520/2-01	995-0001-584	K-182	995-0002-051	M22520/1-01	M22520/10-05A	995-0001-071	M81969/28-02	CET-12-4 Plastic
5071 (HW)	249-1767-001	-	M22520/2-01	995-0001-584	K-182	995-0002-051	M22520/1-01	M22520/10-05A	995-0001-071	M81969/28-02	CET-12-4 Plastic
RG-174/U	-	249-1768-000	M22520/2-01	995-0001-584	K-182	995-0002-051	M22520/1-01	M22520/10-05A	995-0001-071	M81969/28-02	CET-12-4 Plastic
BMS-1348 (BG)	-	249-2203-000	M22520/2-01	995-0001-584	K-644	995-0002-050	M22520/1-01	M22520/10-05A	995-0001-071	M81969/28-02	CET-12-4 Plastic

Size 1 Modified Coaxial Contacts (4W4 Layout Only)

Plug Connector

	Coax		Replacement Termination Kits	
Cable Accommodation	Part Number	Style	Solder Type	CrimpType
RG214	349-1043-001	Straight	320-1066-000	320-1066-016
AA-5886	349-1048-000	Straight	320-1066-002	320-1066-018
RG393	349-1051-000	Straight	320-1066-003	320-1066-019
ECS 311201	349-1046-000	Straight	320-1066-001	320-1066-017
AA-5887	349-1049-000	Straight	320-1066-004	320-1066-013
AA-5888	349-1050-000	Straight	320-1066-005	320-1066-014
RG142	349-1047-000	Straight	320-1066-006	320-1066-015
Various	349-1047-001	TNC Adapter	-	-

Customer Use Drawings:

All Coax contacts (except 349-1047-001) customer use drawing #349-0000-305
Crimp termination kits: Customer use drawing #320-0000-305
Solder termination kits: Customer use drawing #320-0000-304

Receptacle Connector

	Coax		Replacement Termination Kits	
Cable Accommodation	Part Number	Style	Solder Type	CrimpType
RG316 DS	349-1051-002	Straight	320-1066-008	N/A
RG142	349-1044-000	Straight	320-1066-007	N/A
Various	349-1042-000	SMA Adapter	-	-

Customer Use Drawings:

Coax contacts 349-1051-002 and 349-1044-000 are located on cusomter use drawing #349-0000-304
Coax contacts 349-1042-000 is located on cusomter use drawing #320-1042-000

Sizes 1 Coax Contacts (71W1 layout only)

Same standard coax contacts as used in ITT Cannon's DPX (ARINC 404) connector series.

Receptacle Connector

Cable Accommodation	Coax Part Number	Style	Replacement Coax Termination Kit	Replacement Coax Body Assembly
RG-9/U RG-214/U	249-1521-000		249-1521-002	021-0144-000
NSA 935354 NSA 935355	-		249-2201-000	
RG-55/U RG-58/U RG-142/U RG-400/U	249-1554-000	Straight	249-1554-002	021-0144-003
RG-58/U RG-142/U RG-225/U	249-1604-001	90˚	249-1604-003	021-0144-006
RG-402/U UT-141	249-1604-002			
RG-402/U UT-141	249-5027-008	Straight	249-5027-016	021-0144-001
SMA Jack Termination	249-5027-017	Straight	-	-

Plug Connector

Cable Accommodation	Coax Part Number	Style	Replacement Coax Termination Kit	Replacement Coax Body Assembly
RG-9/U	249-1522-000	Straight	249-1522-002	021-0144-004
NSA 935354 NSA 935355	-		249-2202-000	
RG-58/U RG-142/U	249-1882-000			
RG-402/U	249-1885-002	Straight	320-0051-000	021-0144-011
RG-214/U	249-5123-000	Straight	249-5027-013	021-0144-008
RG-115/U	249-5123-001		249-5027-015	

Sizes 1 Coax Contacts (To be used with connectors containing 71W1A, 71W1B and 2W2 insert modifier-"M")

Designed to be interchangeable with contacts made by other manufacturers.

Receptacle Connector

Cable Accommodation	Part Number	Style
RG-142B/U	349-0021-000	Right Angle
RG-402/U UT-141	349-0022-000	Right Angle
SMA Jack Termination	349-0023-000	Straight
RG-214/U RG-393/U BA-6903 (BG)	349-0002-000	Straight
5012H3012 (Raychem)	349-0004-000	Straight
RG-142B/U	349-0006-000	Straight
RG-402/U UT-141	349-0008-000	Straight

Plug Connector

Cable Accommodation	Standard Size 1 Part Number	Modular Size 1 Part Number	Termination Kit for Modular Size 1 Coax	Style
RG-214/U	349-0017-000	349-1053-003	320-1066-000	
RG-393/U	349-0017-000	-	-	Straight
BA-6903	349-0017-000	349-1053-007	320-1066-003	
5012H3012 (Raychem)	349-0018-000	-	-	Straight
RG-142B/U	349-0005-000	349-1053-006	320-1066-006	Straight
RG-402/U UT-141	349-0007-000	-	-	Straight
AA-5888	-	349-1053-008	320-1066-005	Straight
ECS-310801	-	349-1053-005	-	Straight
AA-5886	-	349-1053-004	320-1066-002	Straight
BSX-7004-502	-	349-1053-003	-	Straight
ECS-311201	-	349-1053-002	320-1066-001	Straight
AA-5887	-	349-1053-001	320-1066-004	Straight
Adam Russell PC-38	-	349-1053-000	-	Straight

Size 8 Coaxial Contacts

Plug Connector

Contact Type Socket Part Number	*Engagement		**Termination				RF Cable Number
	Short	Long	Crimp RR-RR	Crimp FR-RR	Solder .250 (6.35)	FR-FR .375 (9.52)	
349-1087-000	-	-	X				Adams-Russell Co. Inc. FC11Z
349-1087-001	-	-	X				Adams-Russell Co. Inc. FC14Z

Receptacle Connector

Contact Type Socket Part Number	*Engagement		**Termination				RF Cable Number
	Short	Long	Crimp RR-RR	Crimp FR-RR	FR-FR .250 (6.35)	Solder .375 (9.52)	
349-1084-000	-	X			X		
349-1084-001	X	-			X		
349-1084-002	-	X				X	
349-1084-003	X	-				X	
349-1086-000	-	X		X			Adams-Russell Co. Inc. FC11Z
349-1086-001	-	X		X			Adams-Russell Co. Inc. FC14Z

Size 8 Twinax Contacts

Plug Connector

Contact Type Socket Part Number	*Engagement		**Termination				RF Cable Number
	Short	Long	Crimp RR-RR	Crimp FR-RR	Solder .250 (6.35)	FR-FR .375 (9.52)	
349-1006-000	-	-	X				M17/176-00002
349-1081-000	-	-	X				Tensolite Co. 24463/9 B017X-2 (LD)

Receptacle Connector

Contact Type Socket Part Number	*Engagement		**Termination				RF Cable Number
	Short	Long	Crimp RR-RR	Crimp FR-RR	Solder .250 (6.35)	FR-FR .375 (9.52)	
349-1007-000	-	-	X				M17/176-00002
349-1080-000	X	-			X		
349-1080-001	-	X			X		
349-1080-002	X	-				X	
349-1080-003	-	X				X	
349-1082-000	X	-		X			Tensolite Co. 24463/9 B017X-2 (LD)
349-1082-001	-	X		X			Tensolite Co. 24463/9 B017X-2 (LD)
349-1088-000	-	X	X				Tensolite Co. 24463/9 B017X-2 (LD)

Size 8 Ground Contacts

Plug Connector

Contact Type Socket Part Number	*Engagement		**Termination				Wire Size
	Short	Long	Crimp RR-RR	Crimp FR-RR	Solder .250 (6.35)	FR-FR .375 (9.52)	
031-3300-000	-	-	X				8, 10 AWG

Receptacle Connector

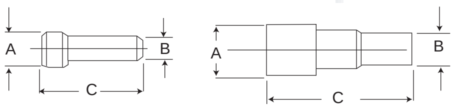
Contact Type Socket Part Number	*Engagement		**Termination				Wire Size
	Short	Long	Crimp RR-RR	Crimp FR-RR	Solder .250 (6.35)	FR-FR .375 (9.52)	
030-3306-000	-	X			X		8, 10 AWG
030-3306-001	-	X				X	8, 10 AWG
030-3676-000	-	-		X			8, 10 AWG

* The electrical engagement of "Long" contacts is .150 (3.81) greater than the electrical engagement of "Short" contact.
**RR-RR indicates rear release, rear removal.
FR-RR indicates front release, rear removal.
FR-FR indicates front release, front removal.

Sealing Plugs-BKAE Environmental Connnectors Only

P/N 225-0090-000
Material: Teflon
(All others thermoplastic)

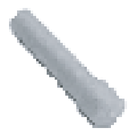


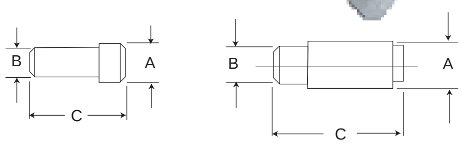


Part Number	Contact Size	Color	A	B	C
225-1013-000	22	Black	.063 (1.6)	.040 (1.0)	.469 (11.9)
225-0070-000	20	Red	.085 (2.2)	.065 (1.6)	.469 (11.9)
225-0071-000	16	Blue	.115 (2.9)	.075 (1.9)	.469 (11.9)
225-0072-000	12	Yellow	.171 (4.3)	.121 (3.1)	.564 (14.3)
225-0090-000	#5 and #9 Coax	White	.365 (9.3)	.287 (7.3)	.835 (21.2)

Filler Plugs-BKAD Non-Environmental Connectors Only

P/N 225-0099-000
Material: Teflon
(All others thermoplastic)





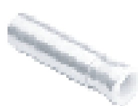
BKAF P/N 225-1058-000
(Size 22 - Black)
(See Customer Use Drawing for details)

Part Number	Contact Size	Color	A	B	C
225-0094-000	22	Black	.069 (1.7)	.051 (1.3)	.420 (10.7)
225-0095-000	20	Red	.083 (2.1)	.069 (1.7)	.350 (8.9)
225-0096-000	16	Blue	.131 (3.3)	.108 (2.7)	.320 (8.1)
225-0097-000	12	Yellow	.187 (4.7)	.156 (4.0)	.320 (8.1)
225-0098-000	#5 Coax (Pin)	White	.275 (7.0)	.251 (6.4)	.450 (11.4)
225-0099-000	#5 and #9 Coax (Socket)	White	.275 (7.0)	.251 (6.4)	1.061 (26.9)

Cavity Reducer



Pin
P/N 021-8756-000



Socket
P/N 021-8757-000

#5 Coax to #12 Contact

Cavity reducers are available when additional circuits are required for siz 12 power contacts. These reducers, having the internal configuration of size 12 power contact, are inserted into the size 5 coaxial insulator cavity to create size 12 power contact cavity.

Dust Caps

Conductive dust caps protect against static electricity.



Part Number	Description
025-1121-001	BKAD 1-A & B-Plug
025-1122-001	BKAD 1-C-Plug
025-1123-001	BKAD 2&3-A & B-Plug
025-1124-001	BKAD 2&3-C-Plug

Note: Supplied as standard for BKA product line only.

Part Number	Description
025-1155-001	BKAD 1-A&B-Receptacle
025-1156-001	BKAD 1-C-Receptacle
025-1157-001	BKAD 2&3-A & B-Receptacle
025-1158-001	BKAD 2&3-C-Receptacle

Replaceable Inserts

Layout	Class	Part Number	
		Pin Assembly	Socket Assembly
2W2**	BKAD	144-2944-000	144-2945-000
	BKAE	144-2944-000	144-2945-000
A	BKAE	143-1156-001	143-1157-001
4W4**	BKAD	177-1000-002	177-1001-004
	BKAE	177-1000-002	177-1001-004
5W2	BKAD	143-1912-000	143-1913-000
	BKAE	143-1912-001	143-1913-001
	BKAF	143-1141-000	N/A
6	BKAE	143-1154-001	143-1155-001
6T6	BKAD	228-1026-002	228-1012-003
	BKAE	228-1026-001	228-1012-001
	BKAF	N/A	228-1015-001
10T10	BKAD	228-1027-002	N/A
	BKAE	228-1027-001	228-1014-002
13W2	BKAD	143-1908-000	143-1909-000
	BKAE	143-1908-001	143-1909-001
	BKAF	143-1142-000	N/A
30T2	BKAD	143-1173-000	143-1174-000
	BKAE	143-1173-001	143-1174-001
34	BKAD	143-1159-001	N/A
	BKAE	143-1097-005	143-1098-005
40	BKAE	143-1171-001	143-1172-001
59*	BKAE	143-1167-001	143-1170-001
60-#20**	BKAE	143-3714-003	143-3715-003
60-#22**	BKAD	143-1910-000	143-1911-000
	BKAE	143-1910-001	143-1911-001
	BKAF	N/A	143-2065-000
71W1	BKAD	143-1958-000	143-1960-000
	BKAE	143-1958-002	143-1960-002
	BKAF	N/A	143-2090-000
71W1A*	BKAD	143-2085-001	143-2086-001
	BKAE	143-2085-000	143-2086-000
	BKAF	N/A	143-2066-000
71W1B	BKAD	143-1113-000	143-1111-000
	BKAE	143-114-000	143-1112-000
	BKAF	N/A	143-1118-000
85	BKAD	143-3877-000	143-3878-000
	BKAE	143-3879-000	143-3880-000
	BKAF	N/A	143-1178-000
100	BKAD	143-2015-000	143-2016-000
	BKAE	143-2015-001	143-2016-001
	BKAF	N/A	143-2067-000
110	BKAE	143-1182-000	143-1183-000
120T2	BKAD	N/A	143-1166-002
	BKAE	143-1165-001	143-1166-001
	BKAF	N/A	143-1177-000
121	BKAD	143-1150-002	143-1158-002
	BKAE	143-1150-001	143-1158-001
150	BKAD	143-1906-000	143-1907-000
	BKAE	143-1906-001	143-1907-001
	BKAF	N/A	143-2068-000

Consult factory for Insert Part Numbers not listed.
*Modified 71W1 insert to be used with connectors containing 71W1 insert modifier "M"
**"Pin Inserts' accept receptacle coax contacts. "Socket Inserts" accept plug coax contacts.

Cross Reference-Part Number/Customer-Use Drawing

Contacts

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
030-1975-009	030-1975-009
030-1975-010	030-1975-010
030-2259-000	030-2259-000
030-2273-000	030-2273-000
030-2280-000	030-2280-000
030-2286-000	030-2286-000
030-2356-000	030-2356-000
030-2357-000	030-2357-000
030-2358-000	030-2358-000
031-1113-009	031-1113-009
031-1113-010	031-1113-010
031-1287-000	031-1287-000
031-1302-000	031-1302-000
031-1303-000	031-1303-000
031-1308-000	031-1308-000
031-1351-000	
031-1351-001	031-0000-343
031-1351-002	
031-1351-003	
031-1352-000	
031-1252-000	031-0000-344
031-1252-002	
031-1352-003	

Replacement Coax Body Assembly

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
021-0144-000	021-0144-000
021-0144-001	021-0144-001
021-0144-002	021-0144-002
021-0144-003	021-0144-003
021-0144-004	021-0144-004
021-0144-006	021-0144-006
021-0144-008	021-0144-008
021-0144-011	021-0144-011

Size #5 Coax Contacts

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
349-0013-000	349-0000-000
349-0014-000	349-0000-001
349-0015-000	349-0000-002
349-0016-000	349-0000-001
349-1003-000	349-000-301
349-1009-000	

Size #12 Shielded Contact

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
249-1767-000	249-1767-000
249-1767-001	249-1767-001
249-1768-000	249-1768-000
249-2203-000	249-2203-000

Replaceable Inserts

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
143-1906-000	
143-1906-001	143-0000-079
143-1907-001	
143-1907-001	
143-1908-000	
143-1908-001	143-0000-081
143-1909-000	
143-1909-001	
143-1910-000	
143-1910-001	143-0000-077
143-1911-000	
143-1911-001	
143-1912-000	
143-1912-001	143-0000-080
143-1913-000	
143-1913-001	
143-1958-000	
143-1958-002	143-0000-079
143-1960-000	
143-1960-002	
143-2015-000	
143-2015-001	143-0000-078
143-2016-000	
143-2016-001	
143-2065-000	
143-2066-000	1247Y
143-2067-000	
143-2068-000	
143-2085-000	
143-2085-001	143-0000-079
143-2086-000	
143-2086-001	

Size #1 Coax Contacts

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
249-1521-000	249-1521-000
249-1522-000	249-1522-000
249-1522-002	249-1522-002
249-1554-000	249-1554-000
249-1604-000	249-1604-000
249-1604-001	249-1604-001
249-1604-002	249-1604-002
249-1882-000	249-1882-000
249-1882-002	1250Y
249-1885-002	
249-5027-008	249-5027-008
249-5027-017	249-5027-017
249-5123-000	249-5027-000
249-5123-001	249-5027-007
349-1053-000	
349-1053-001	
349-1053-002	
349-1053-003	
349-1053-004	349-0000-306
3491053-005	
349-1053-006	
349-1053-007	
349-1053-008	
349-1053-009	

Replacement Coax Termination Kit

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
249-1521-002	249-1521-002
249-1522-009	249-1522-010
249-1522-010	249-1522-010
249-1554-002	249-1554-002
249-1604-003	249-1604-003
249-1604-004	249-1604-004
249-2201-000	249-1521-002
249-2202-000	249-1522-010
249-5027-013	249-5027-013
249-5027-015	249-5027-007
249-5027-016	249-5027-016
320-0051-000	1250Y
320-1066-000	
320-1066-001	
320-1066-002	
320-1066-003	320-000-305
320-1066-004	
320-1066-005	
320-1066-006	

Dust Caps

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
025-1121-001	
025-1122-001	025-0000-054
025-1123-001	(Conductive Only)
025-1124-001	
025-1155-001	
025-1156-001	025-0000-055
025-1157-001	(Conductive Only)
025-1158-001	

Filler Plugs

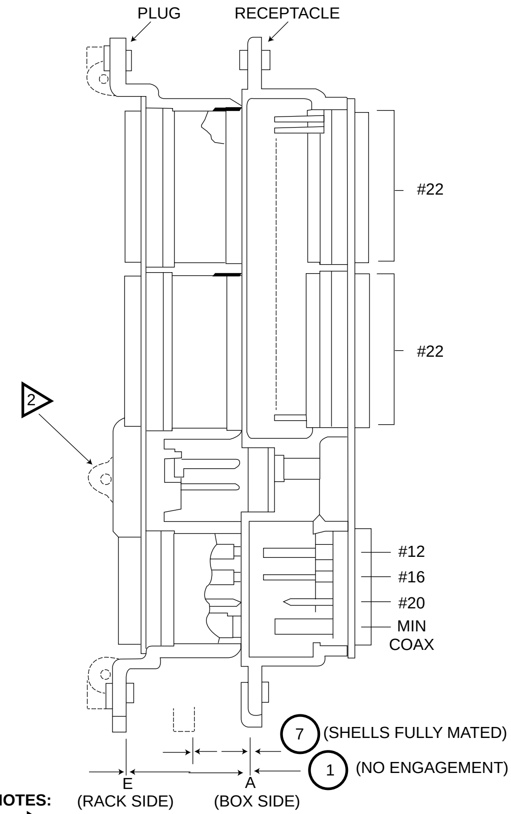
COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
225-0094-000	
225-0095-000	
225-0096-000	225-0000-014
225-0097-000	
225-0098-000	
225-0099-000	
225-1058-000	

Sealing Plugs

COMPONENT PART NUMBER	CUSTOMER USE DRAWING NUMBER
225-0072-000	225-0000-006
225-0090-000	225-0090-000
225-1013-000	
225-1014-000	225-0000-008
225-1015-000	

For part numbers not listed, consult ITT Cannon for applicalbe customer-use drawing.

ARINC 600 Connector Engaging Sequence



NOTES:

1. Varies; See Mil-Spec. (#5 Coax)
2. Size 1 only.
3. Flush head screws are not permitted for connector mounting as they would position connector incorrectly.
4. Dimension 7 was calculated to provide clearance for
- MCU backplate mat'l thickness of 2.5 mm (.10 in).
- Rack backplate mat'l thickness of 2.5 mm (.10 in).
- Connector mounting pan head screws, MCU 2.0 mm (.08 in).
- Tolerance allowance - 3.2 mm (.13 in.) rack 2.0 mm (.08 in.)
Total - 12.2 (.50 in) (minimum).

Mating Sequence	Flange Position With:	Flange Spacing in. (mm)
1	No Engagement	1.245 (31.62) Nom.
2	Shells Initially Engaged	1.110 (28.19) / 1.073 (27.25)
3	Polarizing Pins Entering Keys	1.073 (27.25) / 1.023 (25.88)
4	Contacts Entering Mating Insulator	
	#22	.800 (22.32) / .748 (18.99)
	#20	.805 (20.44) / .741 (18.82)
	#16	1.012 (25.70) / .949 (24.10)
	#12	1.008 (23.60) / .953 (24.20)
	Miniature Coax	1 (see Note 1)
5	Contacts Electrically Engaged	
	#22	.642 (16.30) / .547 (13.89)
	#20	.649 (16.48) / .553 (14.04)
	#16	.728 (18.49) / .818 (20.77)
	#12	.772 (19.60) / .692 (17.57)
	Miniature Coax	1 (see Note 1)
6	"0" Ring Engagement (BKAE Only)	.618 (15.70) / .578 (14.68)
7	Shells Fully Mated	.522 (13.26) / .488 (12.40)